

Converting Colors

CIELCh(45, 35.906, 286.254)

Have a look what the booklet for
CIELCh(45, 35.906, 286.254)
contains.

CIELCh(45, 35.935, 286.271)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(45, 35.935, 286.271)

Conversions

Conversions Part 1

Format	Color
Hex	5668A4
RGB	86, 104, 164
RGB Percent	34%, 41%, 64%
CMY	0.6630, 0.5924, 0.3571
CMYK	0.48, 0.37, 0.00, 0.36
HSL	226°, 31%, 49%
HSV	226°, 48%, 64%
XYZ	15.4708, 14.5417, 37.0819
YIQ	105.4580, -29.9880, 14.8440

Conversions

Conversions Part 2

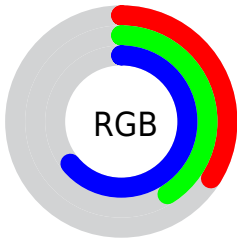
Format	Color
R_{YB}	86, 101, 164
Decimal	5662884
CIE _{Lab}	45.00, 10.07, -34.50
CIE _{LCh}	45, 35.935, 286.271
Yxy	14.5417, 0.2306, 0.2167
Android (android.graphics.Color)	4283852964 (0xFF5668A4)
YUV	105.4580, 28.8612, -17.0647
Hunter-Lab	38.1336, 5.6837, -30.9613

Details

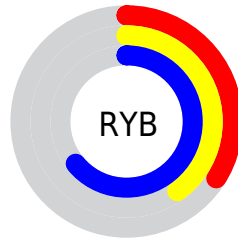
The CIELCh color `45, 35.935, 286.271` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `61, 34.155, 92.763`, and the grayscale version is `44, 0.006, 296.813`.

A 20% lighter version of the original color is `65, 35.708, 286.348`, and `25, 36.336, 286.644` is the 20% darker color. If you saturate the color by 10%, you get `40, 44.166, 288.715`, and if you desaturate by 10%, it is `50, 27.966, 284.145`.

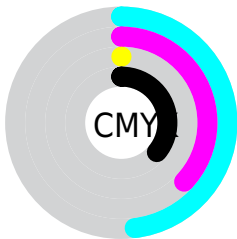
Distribution



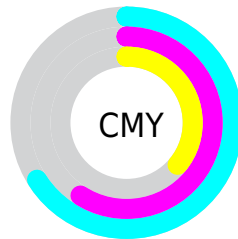
- Red (34%)
- Green (41%)
- Blue (64%)



- Red (34%)
- Yellow (40%)
- Blue (64%)



- Cyan (48%)
- Magenta (37%)
- Yellow (0%)
- Black (36%)



- Cyan (66%)
- Magenta (59%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 35.935, 286.271 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 45, 35.935, 286.271 by changing the saturation by 10% instead.

■ 45, 35.935,
286.271

■ 45, 35.935,
286.271

■ 100, 35.935,
286.271

■ 35, 35.935,
286.271

■ 65, 35.935,
286.271

■ 25, 35.935,
286.271

■ 75, 35.935,
286.271

■ 15, 35.935,
286.271

■ 85, 35.935,
286.271

■ 5, 35.935, 286.271

■ 95, 35.935,
286.271

■ 0, 35.935, 286.271

■ 45, 35.935,

■ 45, 35.935,

286.271

■ 40, 44.166,
288.715

■ 36, 52.671,
291.467

■ 32, 61.400,
294.461

■ 28, 70.169,
297.553

■ 25, 78.568,
300.482

■ 24, 80.495,
301.097

286.271

■ 50, 27.966,
284.145

■ 54, 20.239,
282.314

■ 59, 12.730,
280.746

■ 64, 5.421, 279.412

■ 68, 1.701, 98.133

■ 73, 8.646, 97.198

■ 78, 15.422, 96.331

■ 82, 22.035, 95.567

■ 87, 28.492, 94.894

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



45, 35.935, 286.271



61, 34.155, 92.763

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45, 35.935, 286.271



45, 35.935, 336.271



45, 35.935, 106.271



45, 35.935, 156.271

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45, 35.934, 286.271



78, 12.552, 280.279



62, 28.678, 175.969



40, 8.673, 280.565



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45, 35.934, 286.271



53, 54.400, 288.845



42, 47.569, 304.303



32, 4.040, 279.620



21, 72.998, 300.798



1, 6.373, 279.853

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



46, 34.335, 7.173



55, 51.263, 9.550



64, 42.770, 117.743



32, 3.797, 1.723



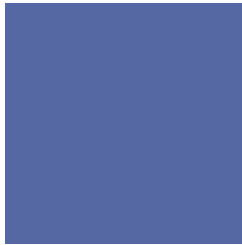
30, 59.417, 25.868



1, 5.732, 2.557

Previews

White Background



This preview shows how the CIELCh color 45, 35.935, 286.271 looks on a white background.

Color Contrast Check

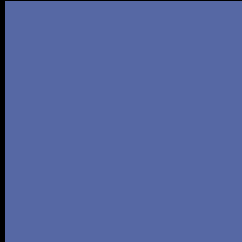
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 45, 35.935, 286.271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

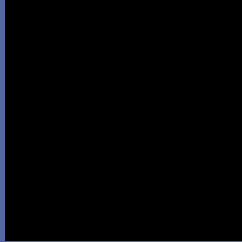
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

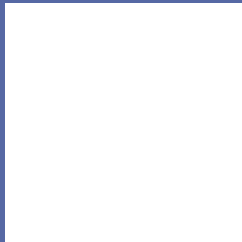
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 35.935, 286.271

Background



This preview shows how black text looks on a background with the CIELCh color 45, 35.935, 286.271.



This preview shows how white text looks on a background with the CIELCh color 45, 35.935, 286.271.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

45, 35.935, 286.271

Protanopia

45, 36.004, 285.401

Deuteranopia

45, 34.585, 280.475



Tritanopia
45, 14.857, 219.334

Trichromacy



Original Color
45, 35.935, 286.271

Protanomaly
45, 35.969, 285.834

Deuteranomaly
45, 35.009, 282.589

Tritanomaly
45, 18.903, 257.779

Monochromacy



Original Color
45, 35.935, 286.271

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 12.756, 280.146

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 35.935, 286.271 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(86, 104, 164)` looks like.

```
.text, #text, p{  
    color:rgb(86, 104, 164)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(86, 104, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 104, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 35.935, 286.271 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(86, 104, 164) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(86, 104, 164) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(86, 104, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 104, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 104, 164);  
box-shadow:4px 4px 4px 4px rgb(86, 104,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 35.935, 286.271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 104, 164) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(86, 104,  
164) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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